

AN

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **04337999 A**

(43) Date of publication of application: **25.11.92**

(51) Int. Cl.

H04R 5/02

H04R 3/12

H04R 5/04

(21) Application number: **03110087**

(22) Date of filing: **15.05.91**

(71) Applicant: **MATSUSHITA ELECTRIC IND CO LTD**

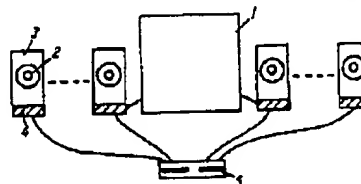
(72) Inventor: **TAMURA KAZUAKI**

**(54) SUPER-DIRECTIONAL ACOUSTIC
REPRODUCING DEVICE**

(57) Abstract:

PURPOSE: To arbitrarily control a directing characteristic by connecting phase shift circuits, which arbitrarily vary phases, to plural loudspeakers.

CONSTITUTION: Plural loudspeaker systems 3 using full range type loudspeakers 2 are linearly arranged in the same direction on the right and left sides of a video acoustic equipment 1 and connected, and phase shift circuits 4 to change the phases of the loudspeaker systems are respectively connected to the loudspeaker systems 3. When it is desired to hear sounds only in a certain specified direction, a phase controller 5 is operated at the listening point and the phases of the respective loudspeakers 2 are respectively changed so as to concentrate the directivity at the specified point. Therefore, since the phases of the respective loudspeakers 2 arranged on the right and left sides are arbitrarily varied and the desired point to get the directivity is arbitrarily controlled, the sounds can be heard only in the specified direction.



COPYRIGHT: (C)1992,JPO&Japio